Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Project Division

Name of Work: Improvements of Road Adjacent to Yelahanka Lake from Kenchenahalli to Chowdeshwari Temple in Ward No. 02

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 200-9. **Clearing and grubbing road land** including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No-136, I No-18.12)								
	Tank Bund Rd frm Temple	1	1088.00	12.00		13056.00			
						13056.00	**Sqm**	**9.54**	**124554.24**
2	KSRRB 200-1. **Cutting of trees girth from 300mm to 600mm** including cutting of trunks, branches and removal of stumps stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specifications. MORTH specification clause 201/ Chapter 2 (P.No-136, I No-18.1)								
	Tank Bund Rd frm Temple	25				25.00			
						25.00	**Each**	**200.34**	**5,008.50**
3	**Removing stumps, tree roots,** roots of bamboo cluster etc., with 8.2.2 girth above 1.50 m and upto 3.00 m including excavation, stacking materials neatly and levelling area etc., complete with lead upto 50 m and all lifts (WRD 2014-2015, Page 148, Item No WRD 8.2.2)								
	a) cross road	25				25.00			
						25.00	**Each**	**88.00**	**2,200.00**
4	**Dismantling** Mangalore tiles roof and stacking the material within a radius of 50 meters. - - **A.C. sheet roofing.**(P.No. 264/ I. No. 37.42.3)								
	Property No-01	1	7.25	4.50		32.63			
	Property No-02	1	7.65	4.50		34.43			
	Property No-03	1	15.70	5.30		83.21			
	Property No-04	1	3.80	2.00		7.60			
	Property No-05	1	3.80	1.60		6.08			
	Property No-07	1	5.00	2.54		12.70			
	Property No-09	1	5.67	5.45		30.90			
	Property No-10	1	4.43	5.25		23.26			
	Property No-11	1	4.10	5.00		20.50			
	Property No-12	1	4.50	3.60		16.20			
	Property No-13	1	8.30	4.90		40.67			
	Property No-16	1	9.00	32.00		288.00			
						596.17	**Sqm**	**65.72**	**39,180.23**
5	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / **Reinforced cement concrete grade M-20** & above. MORTH Specification No. 202(P.No. 137/ I. No. 18.19)								
	Property No-08	1	8.55	5.10	0.175	7.63			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Property No-14	1	8.70	2.50	0.16	3.48			
	Property No-15	1	11.80	2.30	0.16	4.34			
	RCC Road	4	10.00	0.15	0.5	3.00			
	CC Road	1	35.00	7.00	0.25	61.25			
		1	40.00	5.40	0.25	54.00			
	Dobitank	1	10.00	12.00	0.20	24.00			
						157.70	**Cum**	**1083.32**	**170843.11**
6	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. **iii) Dismantling Stone Masonry**. A. Rubble Stone masonry in lime mortar. MORTH Specification No. 202. (P.No. 137, I.No. 18.26).								
					(Av.)				
	Property No-01	1	7.25	0.45	1.20	3.92			
		2	4.50	0.45	1.20	4.86			
	Property No-02	1	7.65	0.45	1.20	4.13			
		2	4.50	0.45	1.20	4.86			
	Property No-03	1	15.70	0.45	0.90	6.36			
		2	3.00	0.45	0.90	2.43			
		2	4.50	0.45	0.90	3.65			
		2	5.30	0.45	0.90	4.29			
	Property No-04	1	3.80	0.45	1.20	2.05			
		2	2.00	0.45	1.20	2.16			
	Property No-05	1	3.80	0.45	1.20	2.05			
		2	1.60	0.45	1.20	1.73			
	Property No-06	1	11.00	0.45	0.90	4.46			
		2	11.00	0.45	0.90	8.91			
	Property No-07	2	5.00	0.45	1.20	5.40			
		2	2.54	0.45	1.20	2.74			
	Property No-08	2	8.55	0.45	0.90	6.93			
		2	5.60	0.45	0.90	4.54			
		1	3.20	0.45	0.90	1.30			
		1	2.90	0.45	0.90	1.17			
	Property No-09	1	5.67	0.45	1.20	3.06			
		2	5.45	0.45	1.20	5.89			
		2	3.80	0.45	1.20	4.10			
	Property No-10	1	4.43	0.45	1.20	2.39			
		2	5.25	0.45	1.20	5.67			
	Property No-11	1	4.10	0.45	1.20	2.21			
		2	5.00	0.45	1.20	5.40			
	Property No-12	1	4.50	0.45	0.90	1.82			
		2	3.60	0.45	0.90	2.92			
	Property No-13	1	8.40	0.45	1.20	4.54			
		2	4.00	0.45	1.20	4.32			
		2	4.90	0.45	1.20	5.29			
	Property No-14	1	2.85	0.45	1.50	1.92			
		1	1.45	0.45	1.50	0.98			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Property No-15	1	2.25	0.45	1.20	1.22			
		1	11.80	0.45	1.20	6.37			
		1	0.70	0.45	1.20	0.38			
	Property No-16	6	9.20	0.45	1.20	29.81			
		2	32.00	0.60	1.50	57.60			
		4	3.00	0.60	1.50	10.80			
	Property No-17	1	1.00	0.45	1.20	0.54			
		1	3.00	0.45	1.20	1.62			
	Property No-18	1	4.00	0.45	1.20	2.16			
		1	10.00	0.45	1.20	5.40			
	Dobitank	2	12.00	0.60	0.90	12.96			
		3	10.00	0.60	0.90	16.20			
		2	10.00	0.60	0.90	10.80			
						284.29	**Cum**	**217.30**	**61,777.24**
7	**Dismantling burnt brick masonry** in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m. (P.No. 265, I.No.								
					(Av.)				
	Property No-01	1	7.25		3.00	21.75			
		2	4.50		3.00	27.00			
	Property No-02	1	7.65		3.00	22.95			
		2	4.50		3.00	27.00			
	Property No-03	1	15.70		3.00	47.10			
		2	3.00		3.00	18.00			
		2	4.50		3.00	27.00			
		2	5.30		3.00	31.80			
	Property No-04	1	3.80		3.00	11.40			
		2	2.00		3.00	12.00			
	Property No-05	1	3.80		3.00	11.40			
		2	1.60		3.00	9.60			
	Property No-06	1	11.00		2.70	29.70			
		2	11.00		2.80	61.60			
	Property No-07	2	5.00		3.00	30.00			
		2	2.54		3.00	15.24			
	Property No-08	2	8.55		3.00	51.30			
		2	5.60		3.00	33.60			
		1	3.20		3.00	9.60			
		1	2.90		3.00	8.70			
	Property No-09	1	5.67		3.00	17.01			
		2	5.45		3.00	32.70			
		2	3.80		3.00	22.80			
	Property No-10	1	4.43		3.00	13.29			
		2	5.25		3.00	31.50			
	Property No-11	1	4.10		3.00	12.30			
		2	5.00		3.00	30.00			
	Property No-12	1	4.50		3.00	13.50			
		2	3.60		3.00	21.60			
	Property No-13	1	8.40		3.00	25.20			
		2	4.00		3.00	24.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		2	4.90		3.00	29.40			
	Property No-14	1	2.85		3.00	8.55			
		1	1.45		3.00	4.35			
	Property No-15	1	2.25		3.00	6.75			
		1	11.80		3.00	35.40			
		1	0.70		3.00	2.10			
	Property No-16	6	9.20		3.00	165.60			
		2	32.00		3.00	192.00			
		4	3.00		3.00	36.00			
	Property No-17	1	1.00		1.40	1.40			
		1	3.00		1.35	4.05			
	Property No-18	1	4.00		1.40	5.60			
		1	10.00		1.35	13.50			
	Dobitank	2	12.00		1.20	28.80			
		3	10.00		1.20	36.00			
		2	10.00		1.20	24.00			
						1344.14	**Sqm**	**165.36**	**222266.99**
8	**Dismantling cement concrete flooring** or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). (P.No. 265, I.No. 37.51).								
	Property No-01	1	7.25	4.50		32.63			
	Property No-02	1	7.65	4.50		34.43			
	Property No-03	1	15.70	5.30		83.21			
	Property No-04	1	3.80	2.00		7.60			
	Property No-05	1	3.80	1.60		6.08			
	Property No-07	1	5.00	2.54		12.70			
	Property No-08	1	8.55	5.10		43.61			
	Property No-09	1	5.67	5.45		30.90			
	Property No-10	1	4.43	5.25		23.26			
	Property No-11	1	4.10	5.00		20.50			
	Property No-12	1	4.50	3.60		16.20			
	Property No-13	1	8.30	4.90		40.67			
	Property No-14	1	8.70	2.50		21.75			
	Property No-15	1	11.80	2.30		27.14			
	Property No-16	1	9.15	32.00		292.80			
						693.46	**Sqm**	**58.30**	**40,428.95**
9	KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-142)								
	Fencing Poles	350	0.50	0.50	0.70	61.25			
	Debris	15	20.00	2.40	0.50	360.00			
	RCC Drain	1	200.00	1.10	0.95	209.00			
	Culverts	2	12.00	2.00	1.20	57.60			
						687.85	**Cum**	**86.92**	**59,787.92**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
10	KSRRB M300-14. **Excavation for roadwork** in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301 (P.No-143, I No-19.14)								
	Tank Bund Rd frm Temple	As per Volume Sheet				6077.00			
						6077.00	**Cum**	**48.76**	**296314.52**
11	KSRRB 300-8. **Excavation in hard rock** by chiselling and / or wedging where blasting is prohibited for formation of roads including stacking to uniform line and level including cost of all labour complete as per specifications. (with all lead and lift) MORTH / Chapter 3 (P.No-142, I No-19.8)								
	Tank Bund Rd frm Temple	1	15.00	4.00	0.80	48.00			
						48.00	**Cum**	**1195.68**	**57,392.64**
12	KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P.No-12,I No-4.2)								
	Culverts	2	12.00	2.00	0.20	9.60			
	RCC Drain	1	200.00	1.05	0.15	31.50			
	Fencing Poles	350	0.50	0.50	0.15	13.13			
						54.23	**Cum**	**5348.76**	**290036.51**
13	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix **M20 with OPC cement @ 320kgs**, with 20mmand down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6(I No-4.11,P No-13)								
	Fencing Poles	350	0.15	0.15	3.60	28.35			
	RCC Drain								
		1	200.00	0.90	0.15	27.00			
		2	200.00	0.15	0.75	45.00			
						100.35	**Cum**	**6371.66**	**639396.08**
14	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-17)								
	Fencing Poles, 185 kgs/cum		28.35	185.00		5.24			
	For Drain, 60 kgs/cum		72.00	60.00		4.32			
						9.56	**Tn**	**64243.42**	**614472.25**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
15	KSRB 4-6.4 : Providing and removing **centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I No-4.31,P No-15)								
	Fencing Poles	350	4.00	0.15	3.60	756.00			
	RCC Drain								
		4	200.00		0.75	600.00			
						1356.00	**Sqm**	**310.58**	**421146.48**
16	Providing and Fixing **pre cast covering Slab made out of CC 1:2:4 with 10cm thick** and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	RCC Drain								
		1	200.00	0.90		180.00			
						180.00	**Sqm**	**1900.00**	**342000.00**
17	Providing **chain link fencing 50mm** size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No-262, I No-37.2)								
	Tank Bund Rd frm Temple	1	700.00	2.50		1750.00			
						1750.00	**Sqm**	**698.54**	**1222445.00**
18	Providing **barbed GI wire fencing of 12x12** gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc., complete. (P.No-262, I No-37.5)								
	Tank Bund Rd frm Temple	4	700.00			2800.00			
						2800.00	**m**	**29.68**	**83,104.00**
19	KSRB13-10.3 : Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure **25mm outside diameter** chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.4 / 13.9 (P.No-94, I No- 13.76)								
	Fencing Poles	10	350.00	0.15		525.00			
						525.00	**m**	**115.54**	**60,658.50**
20	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement **paint of approved brand** and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No-118, I No- 15.53.1)								
	Fencing Poles	1400	0.15		3.60	756.00			
						756.00	**Sqm**	**73.14**	**55,293.84**